

AMENDMENTS TO THE CLAIMS

1 (Original). An implant that retains a native heart valve leaflet to resist retrograde flow comprising a scaffold sized and configured to rest adjacent all or a portion of a native heart valve annulus, at least a portion of the scaffold defining a pseudo-annulus and including a retaining structure near or within the pseudo-annulus that is sized and shaped to overlay at least a portion of one or more native valve leaflets, the scaffold further including spaced-apart struts sized and configured to contact tissue near or within the heart valve annulus to brace the retaining structure to resist leaflet eversion and/or prolapse.

2 (Original). An implant according to claim 1
wherein the retaining structure comprises a wire-form structure.

3 (Original). An implant according to claim 1
wherein at least one of the struts comprises a wire-form structure.

4 (Original). An implant according to claim 1
wherein the retaining structure and the struts each comprises a wire-form structure.

5 (Original). An implant according to claim 1
wherein the scaffold is collapsible for placement within a catheter.

6 (Original). An implant according to claim 1
wherein at least one of the struts carries a structure sized and configured to increase a surface area of contact with tissue at, above, or below the annulus.

7 (Original). An implant according to claim 1
further including at least one structure appended to the scaffold and being sized and configured to contact tissue at, above, or below the heart valve annulus to stabilize the scaffold.

8 (Original). An implant according to claim 1
wherein the scaffold includes a material and a shape to provide a spring-like bias to enable compliant contact with tissue near or within the heart valve annulus.

9 (Original). An implant according to claim 1
wherein the struts reshape the heart valve annulus.

10 (Original). An implant according to claim 1
wherein the struts apply tension to tissue to reshape the heart valve annulus.

11 (Original). An implant according to claim 1
wherein the struts displace tissue to reshape the heart valve annulus.

12 (Withdrawn). An implant according to claim 1
further including a second heart valve treatment element appended to the scaffold to affect
a heart valve function.

13 (Withdrawn). An implant according to claim 12
wherein the second heart valve treatment element includes means for reshaping the heart
valve annulus for leaflet coaptation.

14 (Withdrawn). An implant according to claim 12
wherein the second heart valve treatment element includes means for separating tissue along
an axis of the heart valve annulus for leafleted coaptation.

15 (Original). A method for retaining a native heart leaflet to resist retrograde flow
comprising the steps of

introducing an implant as defined in claim 1 into a heart, and
resisting leaflet eversion and/or prolapse by locating the scaffold as defined in claim 1
adjacent all or a portion of a native heart valve annulus to define a pseudo-annulus with the
retaining structure as defined in claim 1 overlaying at least a portion of one or more native valve
leaflets and with the spaced-apart struts as defined in claim 1 contacting tissue near or within the
heart valve annulus to brace the retaining structure.

16 (Original). A method according to claim 15
wherein the introducing step comprises using an open heart surgical procedure.

17 (Original). A method according to claim 15
wherein the introducing step comprises using a surgical procedure in which the implant is
carried within a catheter.

18 (Original). A method according to claim 15
wherein the introducing step comprises using an intravascular surgical procedure.